

**(57) Abstract**

The invention relates to a method for synchronizing a receiver (MS) to a code modulated signal transmitted by satellites (SV1—SV4). Information is transmitted in the method by modulating said code modulated signal in the transmission step, and demodulation is performed in the reception step to clarify the transmitted information. At least partly the same information is transmitted from the satellites essentially simultaneously. In the method, a signal transmitted by two or more satellites is received, the transit time differences of the received signals are determined for mutual synchronization of the signals transmitted from different satellites, and an analysis signal is formed by using at least a part of at least two synchronized signals received from different satellites.

Fig. 4